

FIRE-TEK BEAM AND COLUMN SLAB

June 2021



APPLICATIONS



DESCRIPTION

Fire-teK Beam and Column Slab is a Rock Mineral Wool Slab used in the fire protection of structural steel beams, columns and trusses. They are non-combustible with the best possible Euroclass A1 reaction to fire classification, and are available either unfaced, or with a foil facing.

PERFORMANCE

Fire

Classification: Euroclass A1 to BS EN 13501-1

Thermal

Thermal conductivity: 0.035 W/mK

BENEFITS

- ✓ Quick, clean and dry installation process aids fixing of Fire-teK Beam and Column Slab
- ✓ Choice of fixing systems
- ✓ Moisture tolerant
- ✓ Can accommodate decorative finishes

SPECIFICATIONS

Thickness (mm)	Length (mm)	Width (mm)	Pieces per pallet	Area per pallet (m ²)	Product code
Fire-teK Slab - Unfaced					
65	2000	1200	18	43.200	675215
60	2000	1200	20	48.000	TBC
50	2000	1200	24	57.600	TBC
45	2000	1200	27	64.800	673932
40	2000	1200	31	74.400	TBC
35	2000	1200	35	84.000	673943
30	2000	1200	40	96.000	741206
25	2000	1200	50	120.000	741179
20	2000	1200	60	144.000	675214
Fire-teK Slab - Foil Faced					
65	2000	1200	18	43.200	723692
60	2000	1200	20	48.000	TBC
50	2000	1200	24	57.600	TBC
45	2000	1200	27	64.800	723720
40	2000	1200	31	74.400	TBC
35	2000	1200	35	84.000	723722
30	2000	1200	40	96.000	741198
25	2000	1200	50	120.000	741207
20	2000	1200	60	144.000	723721

All dimensions are nominal. Other sizes may be available subject to enquiry.

CERTIFICATIONS, CLASSIFICATIONS AND INDUSTRY STANDARDS



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ADDITIONAL INFORMATION

Durability

Fire-teK Beam and Column Slab is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Application

Fire-teK Beam and Column Slab is used to provide fire protection to structural steel columns, beams and trusses. Fire-teK Beam and Column Slab with a foil facing are suitable for use above clean rooms, within air plenums, or for aesthetic purposes. Plaster manufacturers advice and guidance should be followed regarding pre-treatment of Fire-teK Beam and Column Slabs before application of plaster finishes. Fire-teK Beam and Column Slab can be used with four types of fixing systems for the fire protection of structural steelwork. Fixing systems:

- Dry Fix System
- Adhesive noggin Fixing System

Standards and Certification

Fire-teK Beam and Column Slab is manufactured in accordance with BS EN 13162, ISO 50001 Energy Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems, as certified by TÜV Nord.

Real Performance

Glass and Rock Mineral Wool are easier to install correctly than other insulants such as rigid boards because they adapt to any slight imperfections in the substrate and knit together, eliminating any air gaps. Evidence shows the absence of air gaps is crucial to achieving real performance in the relevant application.

Environmental

Fire-teK Beam and Column Slab contains no ozone-depleting substances or greenhouse gases. For further environmental information consult the relevant Environmental Product Declaration, available on our website.

Moisture resistance

Fire-teK Beam and Column Slab is non-wicking when tested to BS 2972:1989: Section 12. When exposed to 90% humidity and 20°C, Fire-teK Beam and Column Slab absorbs less than 0.004% of moisture.

Handling and storage

Fire-teK Beam and Column Slab is easy to handle and install, and is easily cut to size, where necessary. Fire-teK Beam and Column Slab is supplied loose on hooded pallets which are designed for short term protection only. For longer term protection on site, the product should either be stored indoors, or under cover and off the ground. Fire-teK Beam and Column Slab should not be left permanently exposed to the elements.

Knauf Insulation Ltd

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